

To: Smith, Molly[Smith.Molly@epa.gov]
Cc: Miller, Patrick[miller.patrick@epa.gov]
From: Coughlin, Justin
Sent: Mon 9/18/2017 6:55:33 PM
Subject: RE: Sample Lab Reports and Flow Rates

Molly and Patrick,

I got around to reviewing these documents. The two flow rate verifications for the two hi-vol PM₁₀ FRM instruments meet the critical criteria of $\leq 7.1\%$ from the transfer standard. Additionally, the lab sample analysis reports match what is being reported, for the month of July in regard to Mn, but I am unable to determine whether the calibration curve had an effect on the 7/27 sampling date filter as the lab only reported standards in the first report for the month. It is unlikely that is the cause for the ND values though because the 7/30 sampling date was analyzed in the same run and had actual values. This makes me think the ND readings for all pollutants could have been due to an analyzer failure.

The logical follow up to this is we should request the next quarterly flow rate verification which should happen in September. Additionally, it is worth asking the operator whether there was any machine malfunction that day. Also, we will see what the values from the first sampling day in August is which will provide information as to whether there was something wrong with the monitor, since the collocated monitor pulled the sample on 7/30. Let me know if you have any questions.

Thanks,

Justin Coughlin

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From: Smith, Molly
Sent: Tuesday, September 12, 2017 9:05 AM
To: Colledge, Michelle <Colledge.Michelle@epa.gov>
Cc: Coughlin, Justin <coughlin.justin@epa.gov>; Miller, Patrick <miller.patrick@epa.gov>
Subject: Sample Lab Reports and Flow Rates

Michelle –

The QAPP included the estimated method detection limits for target metals at Table B-5, but I've also included the most recent submittal of sample lab analysis from the company.

I spoke with Justin this morning and he said that he uses 3-4 miles per hour for the "calm" wind rose analysis, though he does look at percentiles as well. We can have a continued discussion on this point.

Justin suggested that we set-up a time so he can answer all James' questions directly. He proposed Thursday or Friday next week – which will give him time to review the specific days in question and gives us a chance to collect our thoughts after meeting with the company on Thursday.

Would the 21st or 22nd work for a call with James/Justin? I'm going to be out of the office, but I'll still set-up the call.

Molly Smith

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